Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/08/2016 10:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124687	-1	1.85	124658	1.83
Blue	F	SSC	125000	123295	-2	2.99	123829	2.88
Blue	E	FITC	22946	22364	-3	2.46	992	9.65
Blue	D	PE	28770	28042	-3	1.99	1007	9.12
Blue	B	PerCP-Cy5-5	51099	50506	-2	3.29	1450	15.77
Blue	A	PE-Cy7	42312	41651	-2	4.84	643	33.72
Red	C	APC	52169	52065	-1	2.82	3017	9.39
Red	A	APC-Cy7	56705	56034	-2	2.95	1161	11.33
Violet	B	V450	14708	14147	-4	4.04	682	9.65
Violet	A	V500	58608	57763	-2	3.71	2563	6.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19581	4.50	597	-1	N/A	N/A	Pass
Blue	F	SSC	61449	1.89	524	6	N/A	N/A	Pass
Blue	E	FITC	113	37.93	533	2	0.0244	252	Pass
Blue	D	PE	221	26.48	528	2	0.1815	206	Pass
Blue	B	PerCP-Cy5-5	229	42.60	625	3	0.0119	144	Pass
Blue	A	PE-Cy7	72	110.52	672	1	0.0132	14	Pass
Red	C	APC	351	27.22	592	2	0.0206	52	Pass
Red	A	APC-Cy7	127	40.92	576	0	0.0055	1676	Pass
Violet	B	V450	83	47.97	468	9	0.0421	2633	Pass
Violet	A	V500	188	29.78	498	10	0.0143	2454	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.57	-31.07	0.82
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.32
Red	17.54	13.27 - 19.91	N/A	N/A	31.17	31.70	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9594

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments